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Sent: Friday, May 21, 2004 3:05 PM
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ES

SEQ ID NOs: 1-4 against commercial and interference databases.

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Elizabeth Slobodyansky, PhD

Primary Examiner

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Searcher: _____
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TYPE OF SEARCH:
NA Sequences: _____
AA Sequences: _____
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

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DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: _____
WWW/Internet: _____
Other (specify): _____

WEST Search History

DATE: Friday, May 21, 2004

| Hide? | Set Name | Query | Hit Count |
|--------------------------|---|------------------------------------|-----------|
| | <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i> | | |
| <input type="checkbox"/> | L7 | l4 not L6 | 6 |
| <input type="checkbox"/> | L6 | L4 with (393 or 534 or 370 or 511) | 4 |
| <input type="checkbox"/> | L4 | L1 or l2 | 10 |
| <input type="checkbox"/> | L3 | L2 AND L1 | 3 |
| <input type="checkbox"/> | L2 | FSAP WITH MARBURG | 3 |
| <input type="checkbox"/> | L1 | FSAP WITH (MUTA\$ OR VARIANT) | 10 |

END OF SEARCH HISTORY

Hit List

| | | | | |
|---------------|---------------------|-------|----------|-----------|
| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs |
| Generate OACS | | | | |

Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20040009543 A1

Using default format because multiple data bases are involved.

L6: Entry 1 of 4

File: PGPB

Jan 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040009543

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040009543 A1

TITLE: Marburg I mutant of factor VII activating protease (FSAP) as risk factor for arterial thrombosis

PUBLICATION-DATE: January 15, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-----------------------------|------------|-------|---------|---------|
| Kiechl, Stefan | Zirl | | AT | |
| Willeit, Johann | Innsbruck | | AT | |
| Wiedermann, Christian Josef | Innsbruck | | AT | |
| Roemisch, Juergen | Voesendorf | | AT | |
| Weimer, Thomas | Gladenbach | | DE | |
| Feussner, Annette | Marburg | | DE | |
| Stoehr, Hans-Arnold | Wetter | | DE | |
| Doersam, Volker | Marburg | | DE | |
| Lang, Wiegand | Colbe | | DE | |
| Becker, Margret | Marburg | | DE | |
| Nerlich, Claudia | Marburg | | DE | |
| Muth-Naumann, Gudrun | Wetter | | DE | |
| Knoblauch, Bernd | Lich | | DE | |

US-CL-CURRENT: 435/23; 435/226, 435/320.1, 435/325, 435/6, 435/69.1, 536/23.2

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 2. Document ID: US 20030215447 A1

L6: Entry 2 of 4

File: PGPB

Nov 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030215447

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030215447 A1

h e b b g e e e f e e e ef b e

TITLE: Inhibitory monoclonal antibody against blood clotting factor VII-activating protease

PUBLICATION-DATE: November 20, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-----------------------|-----------|-------|---------|---------|
| Roemisch, Juergen | Vosendorf | | DE | |
| Lang, Wiegand | Coelbe | | DE | |
| Feussner, Annette | Marburg | | DE | |
| Muth-Naumann, Gudrun | Wetter | | DE | |
| Stoehr, Hans-Arnold | Wetter | | DE | |
| Kannemaier, Christian | Giessen | | DE | |
| Preissner, Klaus | Giessen | | DE | |
| Nakazawa, Fumie | Tokyo | | JP | |

US-CL-CURRENT: 424/145.1; 435/337, 514/12, 530/388.25

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. Des. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|------------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|------------|

3. Document ID: US 20020142316 A1

L6: Entry 3 of 4

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020142316

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020142316 A1

TITLE: Mutants of the factor VII-activating protease and detection methods using specific antibodies

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------------|------------|-------|---------|---------|
| Roemisch, Juergen | Marburg | | DE | |
| Stoehr, Hans-Arnold | Wetter | | DE | |
| Feussner, Annette | Marburg | | DE | |
| Lang, Wiegand | Colbe | | DE | |
| Weimer, Thomas | Gladenbach | | DE | |
| Becker, Margret | Marburg | | DE | |
| Nerlich, Claudia | Marburg | | DE | |
| Muth-Naumann, Gudrun | Wetter | | DE | |

US-CL-CURRENT: 435/6

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. Des. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|------------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|------------|

4. Document ID: JP 2003304873 A

L6: Entry 4 of 4

File: JPAB

Oct 28, 2003

PUB-NO: JP02003304873A

DOCUMENT-IDENTIFIER: JP 2003304873 A

TITLE: MARBURG I MUTANT OF FACTOR VII ACTIVATING PROTEASE (FSAP) AS RISK FACTOR FOR ARTERIAL THROMBOSIS

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|---------|

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|-------|---------------------|-------|----------|-----------|---------------|
| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |
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| | |
|------------------------------------|-----------|
| Terms | Documents |
| L4 with (393 or 534 or 370 or 511) | 4 |

Display Format: [Previous Page](#)[Next Page](#)[Go to Doc#](#)

Hit List

| | | | | |
|---------------|---------------------|-------|----------|-----------|
| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs |
| Generate OACS | | | | |

Search Results - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US.20030077271 A1

Using default format because multiple data bases are involved.

L7: Entry 1 of 6

File: PGPB

Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030077271

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030077271 A1

TITLE: Use of coagulation factor VII-activating protease for the prophylaxis and therapy of vasoproliferative disorders

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-----------------------|--------------------|-------|---------|---------|
| Kannemeier, Christian | Giessen | | DE | |
| Roemisch, Juergen | Voesendorf | | AT | |
| Preissner, Klaus T. | Giessen | | DE | |
| Kanse, Sandip | Linden-Leihgestern | | DE | |

US-CL-CURRENT: 424/94.64; 435/226

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWOC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 2. Document ID: JP 2002291486 A

L7: Entry 2 of 6

File: JPAB

Oct 8, 2002

PUB-NO: JP02002291486A

DOCUMENT-IDENTIFIER: JP 2002291486 A

TITLE: VARIANT OF FACTOR VII-ACTIVATING PROTEASE AND DETECTION METHOD USING SPECIFIC ANTIBODY

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWOC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|

☐ 3. Document ID: EP 1348761 A1

L7: Entry 3 of 6

File: EPAB

Oct 1, 2003

PUB-NO: EP001348761A1

h e b b g e e e f e e e e f b e

DOCUMENT-IDENTIFIER: EP 1348761 A1

TITLE: Marburg I mutant of factor VII activating protease (FSAP) as a risk factor for arterial thrombosis

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWMC | Drawn De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|

☐ 4. Document ID: DE 10118706 A1

L7: Entry 4 of 6

File: EPAB

Oct 17, 2002

PUB-NO: DE010118706A1

DOCUMENT-IDENTIFIER: DE 10118706 A1

TITLE: New nucleic acid encoding mutant factor 7 activating protease, useful for diagnosis, treatment and prevention of coagulation disorders, also related protein and antibodies

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWMC | Drawn De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|

☐ 5. Document ID: AU 2003201328 A1, EP 1348761 A1, CA 2422583 A1, JP 2003304873 A, DE 10238429 A1, US 20040009543 A1, KR 2003076342 A

L7: Entry 5 of 6

File: DWPI

Oct 9, 2003

DERWENT-ACC-NO: 2003-769845

DERWENT-WEEK: 200427

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TITLE: New risk factors, useful for diagnosing genetic predisposition to atherosclerosis, comprise e.g. a specific mutation in blood coagulation factor VII-activating protein

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWMC | Drawn De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|

☐ 6. Document ID: EP 1182258 A1, AU 200155930 A, CA 2353314 A1, DE 10036641 A1, DE 10052319 A1, KR 2002010512 A, US 20020142316 A1, DE 10118706 A1, JP 2002291486 A, US 20040009543 A1

L7: Entry 6 of 6

File: DWPI

Feb 27, 2002

DERWENT-ACC-NO: 2002-270939

DERWENT-WEEK: 200406

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TITLE: New nucleic acid encoding mutant factor 7 activating protease, useful for diagnosis, treatment and prevention of coagulation disorders, also related protein and antibodies

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWMC | Drawn De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|

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NEWS 5 FEB 05 German (DE) application and patent publication number format
changes
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NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
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NEWS 10 MAR 29 WPIFV now available on STN
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NEWS 12 APR 26 PROMT: New display field available
NEWS 13 APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field
available
NEWS 14 APR 26 LITALERT now available on STN
NEWS 15 APR 27 NLDB: New search and display fields available
NEWS 16 May 10 PROUSDDR now available on STN
NEWS 17 May 19 PROUSDDR: One FREE connect hour, per account, in both May
and June 2004
NEWS 18 May 12 EXTEND option available in structure searching
NEWS 19 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 20 May 17 FRFULL now available on STN

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
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AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
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=> s fsap (5a) (muta? or variant)
10 FILES SEARCHED...
L1 12 FSAP (5A) (MUTA? OR VARIANT)

=> s fsap (5a) marburg
L2 15 FSAP (5A) MARBURG

=> s l1 and l2
L3 8 L1 AND L2

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4 2 DUP REM L3 (6 DUPLICATES REMOVED)

=> d 1,2

L4 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:41008 HCAPLUS
DN 140:107492
TI Marburg I ***mutant*** of factor VII activating protease (****FSAP****
) as diagnostic risk factor for arterial thrombosis
IN Kiechl, Stefan; Willeit, Johann; Wiedermann, Christian Josef; Roemisch,
Juergen; Weimer, Thomas; Feussner, Annette; Stoehr, Hans-Arnold; Doersam,
Volker; Lang, Wiegand; Becker, Margret; Nerlich, Claudia; Muth-Naumann,
Gudrun; Knoblauch, Bernd
PA Austria
SO U.S. Pat. Appl. Publ., 25 pp., Cont.-in-part of U.S. Ser. No. 912,559.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 4

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------------|------|----------|------------------|----------|
| PI | US 2004009543 | A1 | 20040115 | US 2003-391215 | 20030319 |
| | DE 10036641 | A1 | 20020214 | DE 2000-10036641 | 20000726 |
| | DE 10052319 | A1 | 20020411 | DE 2000-10052319 | 20001021 |
| | DE 10118706 | A1 | 20021017 | DE 2001-10118706 | 20010412 |
| | US 2002142316 | A1 | 20021003 | US 2001-912559 | 20010726 |
| | DE 10238429 | A1 | 20031030 | DE 2002-10238429 | 20020816 |
| PRAI | DE 2000-10036641 | A | 20000726 | | |
| | DE 2000-10050040 | A | 20001010 | | |
| | DE 2000-10052319 | A | 20001021 | | |
| | DE 2001-10118706 | A | 20010412 | | |
| | US 2001-912559 | A2 | 20010726 | | |
| | DE 2002-10212246 | A | 20020319 | | |
| | DE 2002-10238429 | A | 20020816 | | |

L4 ANSWER 2 OF 2 MEDLINE on STN DUPLICATE 1
 AN 2002389182 MEDLINE
 DN PubMed ID: 12138371
 TI The frequent Marburg I polymorphism impairs the pro-urokinase activating
 potency of the factor VII activating protease (FSAP).
 AU Roemisch J; Feussner A; Nerlich C; Stoehr H-A; Weimer T
 CS Aventis Behring GmbH, Preclinical Research & Development, Marburg,
 Germany.. Juergen.Roemisch@aventis.com
 SO Blood coagulation & fibrinolysis : an international journal in haemostasis
 and thrombosis, (2002 Jul) 13 (5) 433-41.
 Journal code: 9102551. ISSN: 0957-5235.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200301
 ED Entered STN: 20020725
 Last Updated on STN: 20030202
 Entered Medline: 20030131

=> s l1 not l3
 L5 4 L1 NOT L3

=> dup rem l5
 PROCESSING COMPLETED FOR L5
 L6 2 DUP REM L5 (2 DUPLICATES REMOVED)

=> d 1,2

L6 ANSWER 1 OF 2 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
 AN 2003-27252 BIOTECHDS
 TI New risk factors, useful for diagnosing genetic predisposition to
 atherosclerosis, comprise e.g. a specific mutation in blood coagulation
 factor VII-activating protein;
 Factor-VII-activating protein gene mutation analysis for disease risk
 diagnosis
 AU KIECHL S; WILLEIT J; WIEDERMANN C J; ROEMISCH J; WEIMER T; FEUSSNER A;
 STOEHR H; DOERSAM V
 PA AVENTIS BEHRING GMBH
 PI EP 1348761 1 Oct 2003
 AI EP 2003-5228 10 Mar 2003
 PRAI DE 2002-1038429 16 Aug 2002; DE 2002-1012246 19 Mar 2002
 DT Patent
 LA German
 OS WPI: 2003-769845 [73]

L6 ANSWER 2 OF 2 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
 AN 2002-14089 BIOTECHDS
 TI New nucleic acid encoding mutant factor 7 activating protease, useful for
 diagnosis, treatment and prevention of coagulation disorders, also
 related protein and antibodies;
 vector-mediated gene transfer, expression in host cell and monoclonal
 antibody preparation by hybridoma cell culture for recombinant protein
 production and disease therapy
 AU ROEMISCH J; STOEHR H; FEUSSNER A; LANG W; WEIMER T; BECKER M; NERLICH C;
 MUTH-NAUMANN G
 PA AVENTIS BEHRING GMBH
 PI EP 1182258 27 Feb 2002
 AI EP 2000-115691 26 Jul 2000
 PRAI DE 2001-1018706 12 Apr 2001
 DT Patent
 LA German
 OS WPI: 2002-270939 [32]

=> s l2 not l3
 L7 7 L2 NOT L3

=> dup rem l7
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 L8 3 DUP REM L7 (4 DUPLICATES REMOVED)

=> d 1-3

L8 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 2003:771411 HCAPLUS
 DN 139:290596
 TI The Marburg I polymorphism of the factor VII-activating proteinase gene as
 a risk predictor of arterial thrombosis
 IN Kiechl, Stefan; Willeit, Johann; Wiedermann, Christian Josef; Roemisch,
 Juergen; Weimer, Thomas; Feussner, Annette; Stoeher, Hans-Arnold; Doersam,
 Volker
 PA Aventis Behring G.m.b.H., Germany
 SO Eur. Pat. Appl., 8 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 4

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--------|--|------|----------|------------------|----------|
| PI | EP 1348761 | A1 | 20031001 | EP 2003-5228 | 20030310 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| | DE 10238429 | A1 | 20031030 | DE 2002-10238429 | 20020816 |
| | JP 2003304873 | A2 | 20031028 | JP 2003-73573 | 20030318 |
| PRAI | DE 2002-10212246 | A | 20020319 | | |
| | DE 2002-10238429 | A | 20020816 | | |
| RE.CNT | 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT | | | | |

L8 ANSWER 2 OF 3 MEDLINE on STN DUPLICATE 1
 AN 2003068568 MEDLINE
 DN PubMed ID: 12578864
 TI Marburg I polymorphism of factor VII--activating protease: a prominent
 risk predictor of carotid stenosis.
 CM Comment in: Circulation. 2003 Feb 11;107(5):654-5. PubMed ID: 12578860
 AU Willeit Johann; Kiechl Stefan; Weimer Thomas; Mair Artur; Santer Peter;
 Wiedermann Christian J; Roemisch Juergen
 CS Department of Neurology, University Clinics, Innsbruck, Austria..
 johann.willeit@uibk.ac.at
 SO Circulation, (2003 Feb 11) 107 (5) 667-70.
 Journal code: 0147763. ISSN: 1524-4539.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Abridged Index Medicus Journals; Priority Journals
 EM 200302
 ED Entered STN: 20030212
 Last Updated on STN: 20030227
 Entered Medline: 20030226

L8 ANSWER 3 OF 3 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
 AN 2003:193442 SCISEARCH
 GA The Genuine Article (R) Number: 648LY
 TI Marburg I polymorphism of factor VII-activating protease - A prominent
 risk predictor of carotid stenosis
 AU Willeit J (Reprint); Kiechl S; Weimer T; Mair A; Santer P; Wiedermann C J;
 Roemisch J
 CS Univ Clin, Dept Neurol, Anichstr 35, A-6020 Innsbruck, Austria (Reprint);
 Univ Clin, Dept Neurol, A-6020 Innsbruck, Austria; Univ Clin, Dept
 Internal Med, A-6020 Innsbruck, Austria; Bruneck Hosp, Dept Lab Med,
 Brunico, Italy; Aventis Behring GmbH, Res, Marburg, Germany
 CYA Austria; Italy; Germany
 SO CIRCULATION, (11 FEB 2003) Vol. 107, No. 5, pp. 667-670.
 Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA
 19106-3621 USA.
 ISSN: 0009-7322.
 DT Article; Journal
 LA English
 REC Reference Count: 12
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

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(FILE 'HOME' ENTERED AT 17:44:53 ON 21 MAY 2004)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS,
 NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 17:45:01 ON 21 MAY 2004

L1 12 S FSAP (5A) (MUTA? OR VARIANT)

L2 15 S FSAP (5A) MARBURG
L3 8 S L1 AND L2
L4 2 DUP REM L3 (6 DUPLICATES REMOVED)
L5 4 S L1 NOT L3
L6 2 DUP REM L5 (2 DUPLICATES REMOVED)
L7 7 S L2 NOT L3
L8 3 DUP REM L7 (4 DUPLICATES REMOVED)

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SESSION

FULL ESTIMATED COST

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26.61

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